

CLAIMS

1 1. A method in a computer system for navigating within a body of data,
2 comprising:
3 receiving a navigation request from a first user;
4 determining that the first user is in a first group of users;
5 based on determining that the first user is in a first group of users, browsing
6 the body of data in response to input from the first user using a first browse graph;
7 receiving a navigation request from a second user;
8 determining that the second user is in a second group of users; and
9 based on determining that the second user is in a second group of users,
10 browsing the body of data in response to input from the second user using a second
11 browse graph distinct from the first browse graph.

1 2. The method of claim 1 wherein the body of data browsed using the
2 first and second browse graphs is a listing of items for sale.

1 3. The method of claim 1 wherein the first graph is tailored to the
2 preferences of the first group of users and the second graph is tailored to the preferences
3 of the second group of users.

1 4. The method of claim 1 wherein the second graph is constructed so as
2 to prevent access to a portion of the body of data that is prohibited with respect to
3 members of the second group of users.

1 5. The method of claim 1 wherein browsing the body of data in
2 response to input from the first user using a first browse graph involves traversing a first
3 path of relations in the first browse graph to access a selected subset of the body of data,
4 and wherein browsing the body of data in response to input from the second
5 user using a second browse graph involves traversing a second path of relations in the

6 second browse graph to access the selected subset of the body of data, the first and
7 second paths to the selected subset of the body of data being different.

6. The method of claim 1 wherein browsing the body of data in
1 response to input from the first user using a first browse graph involves traversing a first
2 path of relations in the first browse graph to access a selected subset of the body of data,
3 and wherein the first path of relations is not available in the second browse graph, so that
4 the selected subset of the body of data cannot be accessed by the second user.

7. The method of claim 1 wherein both the first and second browse
1 graphs are composed of browse relations, and wherein the second graph includes a
2 browse relation not included in the first browse graph.

8. The method of claim 1 wherein the first browse graph is comprised
1 of a plurality of text segments in a first natural language, and wherein the second browse
2 graph is comprised of the plurality of text segments in a second natural language distinct
3 from the first natural language.

9. A computer-readable medium whose contents cause a computer
1 system to navigate within a body of data by:
2 receiving a navigation request of a first type;
3 in response to receiving the navigation request of the first type, browsing
4 the body of data using a first browse graph;
5 receiving a navigation request of a second type; and
6 in response to receiving the navigation request of the second type, browsing
7 the body of data using a second browse graph distinct from the first browse graph.

10. The computer-readable medium of claim 9 wherein the first browse
1 graph is tailored to users issuing navigation requests of the first type and the second
2 browse graph is tailored to users issuing navigation requests of the second type.
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1 11. The computer-readable medium of claim 9 wherein the second graph
2 is constructed so as to prevent access to a subset of the body of data that is prohibited
3 with respect to users issuing navigation requests of the second type.

1 12. The computer-readable medium of claim 9 wherein browsing the
2 body of data using a first browse graph involves traversing a first path of relations in the
3 first browse graph to access a selected subset of the body of data,

4 and wherein browsing the body of data using a second browse graph
5 involves traversing a second path of relations in the second browse graph to access the
6 selected subset of the body of data, the first and second paths to the selected subset of the
body of data being different.

1 13. The computer-readable medium of claim 9 wherein browsing the
2 body of data using a first browse graph involves traversing a first path of relations in the
3 first browse graph to access a selected subset of the body of data, and wherein the first
4 path of relations is not available in the second browse graph, so that the selected subset of
5 the body of data cannot be accessed by users issuing navigation requests of the second
type .

1 14. The computer-readable medium of claim 9 wherein both the first and
2 second browse graphs are composed of browse relations, and wherein the second graph
includes a browse relation not included in the first browse relation.

1 15. The computer-readable medium of claim 9 wherein the first browse
2 graph is comprised of a plurality of text segments in a first natural language, and wherein
3 the second graph is comprised of the plurality of text segments in a second natural
language distinct from the first natural language.

16. A method in a computer system for navigating within a body of data
1 using one of a plurality of distinct browse graphs, comprising:
2 receiving a navigation request;
3 based upon information contained in the received navigation request,
4 selecting one of the plurality of browse graphs; and
5 in response to user input received subsequent to the receipt of the
6 navigation request, browsing the body of data using the selected browse graph.

17. The method of claim 16 wherein the plurality of distinct browse
1 graphs include a first browse graph and a second browse graph, and wherein the body of
2 data contains a selected portion, and wherein the user input sequence required to browse
3 to the selected portion using the first browse graph is different than the user input
4 sequence required to browse to the selected portion using the second browse graph.

18. The method of claim 16 wherein the plurality of distinct browse
1 graphs include a first browse graph and a second browse graph, and wherein the body of
2 data contains a selected portion, and wherein the first browse graph can be used to
3 browse to the selected portion and the second browse graph cannot be used to browse to
4 the selected portion.

19. The method of claim 16 wherein the plurality of distinct browse
1 graphs include a first browse graph and a second browse graph, and wherein the first
2 browse graph is comprised of a plurality of text segments in a first natural language, and
3 wherein the second browse graph is comprised of the plurality of text segments in a
4 second natural language distinct from the first natural language.

20. A computer-readable medium whose contents cause a computer
1 system to navigate within a body of data using one of a plurality of distinct browse graphs
2 by:
3 receiving a navigation request;

5 based upon information contained in the received navigation request,
6 selecting one of the plurality of browse graphs; and
7 in response to user input, browsing the body of data using the selected
8 browse graph.

21. The computer-readable medium of claim 20 wherein the plurality of
1 distinct browse graphs include a first browse graph and a second browse graph, and
2 wherein the body of data contains a selected portion, and wherein the user input sequence
3 required to browse to the selected portion using the first browse graph is different than
4 the user input sequence required to browse to the selected portion using the second
5 browse graph.

22. The computer-readable medium of claim 20 wherein the plurality of
1 distinct browse graphs include a first browse graph and a second browse graph, and
2 wherein the body of data contains a selected portion, and wherein the first browse graph
3 can be used to browse to the selected portion and the second browse graph cannot be
4 used to browse to the selected portion.

23. The computer-readable medium of claim 20 wherein the plurality of
1 distinct browse graphs include a first browse graph and a second browse graph, and
2 wherein the first browse graph is comprised of a plurality of text segments in a first
3 natural language, and wherein the second browse graph is comprised of the plurality of
4 text segments in a second natural language distinct from the first natural language.

24. A method in a computer system for browsing data, the method
1 comprising:
2 while browsing the data in a first browse mode, receiving a first set of
3 navigation commands;
4 in response to receiving the first set of navigation commands in the first
5 browse mode, browsing to an identified portion of the data;

7 receiving a command to store an item in the browsed-to identified portion
8 of data;
9 in response to receiving a command to store an identified item in the
10 browsed-to identified portion of data, storing the identified item in the browsed-to
11 identified portion of data;
12 while browsing the data in a second browse mode, receiving a second set of
13 navigation commands distinct from the first set of navigation commands ;
14 in response to receiving the second set of navigation commands in the
15 second browse mode, browsing to the identified portion of the data; and
16 displaying the identified portion of the data, including the stored identified
17 item.

1 25. The method of claim 24 wherein the storing stores a selected
2 indication of an item for sale, and wherein the displaying displays indications of items for
3 sale, including the selected indication.

1 26. A computer memory containing a compound browsing data structure
2 comprising a plurality of browse graphs, each browse graph comprising a plurality of
3 relations used to access a body of subject data,
4 such that the subject data may be accessed using any one of the plurality of
5 browse graphs.

1 27. The computer memory of claim 26 wherein the compound browsing
2 data structure further comprises a plurality of data portions collectively constituting the
3 subject data, and wherein each of the browse graphs specify a location in the browse
4 graph for each of the plurality of data portions.

1 28. The computer memory of claim 27 wherein at least two of the
2 browse graphs specify different locations for a selected one of the data portions.

29. A computer system for browsing a body of data, comprising:

- 1 a receiver that receives a navigation request;
- 2 a browse graph store that contains a plurality of distinct browse graphs; and
- 3 a data browser that uses one of the plurality of distinct browse graphs
- 4 selected based upon information contained in the navigation request received by the
- 5 receiver to browse the body of data.